

Interim Pharmaceutical Stockpile (IPS)

3rd Annual Statewide Partners' Conference
Milwaukee, Wisconsin
September 12 - 13, 2005

Structure of the IPS

- The IPS is funded by the HRSA Cooperative Agreement to fulfill Critical Benchmark 2.8
- Logistics Health, Inc. (LHI) is the contractor for the management of the IPS
- HRSA Region 7 holds the contract with LHI
 - Day-to-day operations have been designated to the Director, Hospital Preparedness
- IPS Sub-Committee is administering the operations of the IPS

Purpose of IPS

The IPS provides a strategy to purchase, store, and distribute pharmaceuticals to hospitals, local health departments and tribes for prophylaxis and/or post-exposure treatment of first responders, healthcare workers and their family members in response to an act of bioterrorism or an outbreak of infectious disease.

Clinical Decisions

- Clinical decisions as to
 - Prophylaxis/post-exposure treatment
 - Target groups
 - Drug regimen
- will be made by a multi-disciplinary group, involving DPH, CDC, SLH, hospitals, LHDs, and others, as needed and appropriate

Time-Frame for Activation

IPS is planned to be deployed to target group within 4 hours of decision to activate the IPS

- 1 hour for State Patrol to arrive at Distribution Site
- 2 hours for State Patrol to deliver to Dispensing Sites
- 1 hour for Dispensing Sites to package and begin distribution (Dispensing Sites will know about activation in "hour 1")

Purpose of Demo Today

- To review the decision-making processes for the activation of the IPS
- To demonstrate the IPS distribution process at a Dispensing Site

Note: This demo will not focus on the pathogen involved

Step 1:
Critical Decision Threshold
One:
Identification of an Unusual
Occurrence

Step 1.1: Identification

- The “astute clinician” identifies that something unusual is occurring



Step 1:2 Notification of ICP

- The astute clinician notifies the Infection Control Practitioner (ICP)
- The ICP provides directives to the hospital



Step 1.3: Notification of LHD

- The ICP notifies the local health department



Step 1.4: Notification of DPH

- The local health department notifies and confers with DPH
- The DPH may confer with CDC and others



Step 1.5: Consensus

All parties involved confer and come to consensus as to what is the next step:

- to continue to monitor the situation,
- to agree that something unusual is occurring or
- to take action on a known pathogen

Step 2:
Clinical Decision Threshold
Two:
Local Activation of
Emergency Management
Plans

Step 2.1: Activation at Hospital

- The hospital, at which the incident is occurring, will activate its Emergency Management Plan, if appropriate



Step 2.2: Activation at LHD

- The local health department, at which the incident is occurring, will activate its Emergency Management Plan, if appropriate



Step 2.3: Activation at DPH

- DPH will activate its Emergency Management Plan, if appropriate



Step 3: Clinical Decision Threshold Three: Activation of the IPS

Step 3.1: Meeting with Local Agencies

- The Health Officer meets with local emergency response agencies
 - to determine whether to activate the EOC
 - to determine whether to activate the IPS



Step 3.2: Activation of the SNS

- DPH will confer with the Governor
- DPH will confer with CDC
- Decision will be made about the necessity to activate the SNS



Step 4: Notification of the Activation of the IPS

Step 4.1: Distribution Sites

- The Health Officer calls the Distribution Site to notify it that it needs to activate the IPS



Step 4.2: Dispensing Sites

- The Health Officer call the Dispensing Sites to notify them that they will need
 - to request pharmaceuticals from the Distribution Site, based on guidance from DPH
 - to begin set up of the Dispensing Site



IPS Request Form

IPS PHARMACEUTICAL CALCULATION TOOL			
ENTER TOTAL NUMBER OF PATIENTS <input type="text" value="2000"/>			
Items	Patients Per Pharmaceutical		Bottles To Request
Amoxicillin 500mg PO	<input type="text" value="80"/>	Amoxicillin 500mg PO	<input type="text" value="2"/> bottles
Ciprofloxacin 500mg PO	<input type="text" value="320"/>	Ciprofloxacin 500mg PO	<input type="text" value="3"/> bottles
Doxycycline 100mg PO	<input type="text" value="1680"/>	Doxycycline 100mg PO	<input type="text" value="21"/> bottles
		Medication Containers	<input type="text" value="2000"/> bottles
		Labels	<input type="text" value="2000"/> bottles
		Pill Counters	<input type="text" value="3"/> each
		Transport Vehicles	<input type="text" value="1"/> each

Calculation based on ordering of 4% Amoxicillin, 16% Ciprofloxacin, and 84% Doxycycline. Quantities reflect a 3 day supply utilizing Amoxicillin bid, Ciprofloxacin bid, and Doxycycline bid.

Step 4.4: Breakdown of IPS

- Distribution Site begins the breakdown of the IPS
- Transport packages are prepared for each Dispensing Site
 - pharmaceuticals
 - packaging supplies
 - forms



Step 5: Delivery of IPS by the State Patrol

Step 5.1: Loading of IPS

- The Distribution Site loads the State Patrol vehicle with Transport packages for each Dispensing Site



Step 5.2: Sign-Off for IPS

- The State Patrol begins the chain of custody by signing off for the receipt of the IPS



Step 5.3: Delivery of IPS

- The State Patrol delivers the IPS to the Dispensing Sites
- Multiple State Patrol cars may be necessary



Step 5.4: Sign Off for IPS

- The Dispensing Site continues the chain of custody by signing for the receipt of the IPS
- The State Patrol has now completed its task
 - there are no IPS forms for the State Patrol to file



Step 6: Activation of the Dispensing Site

Dispensing Site Manager

- Site has been set-up
- Staff has been assigned, based on 300 people to be prophylaxed
 - 1 Greeter, Registration, Educator, Triage
 - 8 Medical Screeners
 - 1 Pharmacy supervisor
 - 2 Pharmacy Support
 - 1 Medical Screening Clinician

During the Dispensing Process:

- Complete your Medical Screening Form
- Go to Medical Screener for screening and medications
- During dispensing, we will explain details of the dispensing operations
- We will stop when dispensing is completed or sooner to allow for questions

IPS Worksheet

Hospital Staff Calculation Form

Human Resources	X	2.5
Medical Records	X	2.5
Business Office	X	2.5
Hospice	X	2.5
Home Care	X	2.5
Laboratory	X	2.5
Radiology	X	2.5
2 West	X	2.5

IPS Worksheet

LHD Calculation Form

LHD Staff	X	2.5
Fire Department	X	2.5
Police	X	2.5
Sheriff	X	2.5
EMS	X	2.5
Critical Infrastructure	X	2.5

IPS Request Form

IPS PHARMACEUTICAL CALCULATION TOOL

ENTER TOTAL NUMBER OF PATIENTS

Items	Patients Per Pharmaceutical	Bottles To Request	
Amoxicillin 500mg PO	<input type="text" value="80"/>	<input type="text" value="2"/>	bottle
Ciprofloxacin 500mg PO	<input type="text" value="320"/>	<input type="text" value="3"/>	bottle
Doxycycline 100mg PO	<input type="text" value="1680"/>	<input type="text" value="21"/>	bottle
	Medication Containers	<input type="text" value="2000"/>	bottle
	Labels	<input type="text" value="2000"/>	bottle
	Pill Counters	<input type="text" value="3"/>	each
	Transport Vehicles	<input type="text" value="1"/>	each

Calculation based on ordering of 4% Amoxicillin, 16% Ciprofloxacin, and 84% Doxycycline.
Quantities reflect a 3 day supply utilizing Amoxicillin bid, Ciprofloxacin bid, and Doxycycline bid.

Dispensing Site Model

- IPS Operations Model has been based on the "Mass Clinic Planning Template, February 21, 2005"
- The model for the Dispensing Site in the "IPS Operations Manual" has deliberately been scaled to fit the hospital environment
- It is assumed that LHDs will use their Mass Clinic model and adapt it as necessary to their IPS Dispensing Site

Packaging Station

- Select a site that is secure
- Pharmacist Supervisor is in charge
- “Just-in-time” training for Pharmacy Support Staff
- RX Regimen determined by DPH
- Packaging – RX placed in baggie with label
- Packages of RX taken to Medical Screening Station

Pharmacist

- Reports to Dispensing Site manager
- Supervises Pharmacy Support Staff
- Qualifications: Licensed Pharmacist
- Read Job Actions Sheet:
 - receive prophylaxis first
 - select and train staff
 - implement Standing Orders
 - monitor packaging operations

Pharmacy Support Staff

- Reports to Pharmacist Supervisor
- Qualifications: no special qualifications
- Read Job Action Sheet:
 - receive medications first
 - maintain security of packaging station
 - package according to direction of Pharmacist

Pharmacy Support Staff

- Closure of Packaging Station
 - return all unopened RX bottles to Transport Package for return to IPS
 - segregate all opened RX bottles (Dispensing Site may retain RX; otherwise they are disposed)
 - return all supplies to Transport Package
 - prepare Transport Package for return to Distribution Site

Triage Staff

- Reports to Dispensing Manager
- Qualifications: no special qualifications
- Read Job Action Sheet:
 - ask patients if they are ill
 - direct symptomatic patients to treatment area
 - direct asymptomatic patients to Greeter

Greeter/Registration

- Reports to Dispensing Site Manager
- Qualifications: no special qualifications
- Read Job Action Sheet:
 - set up dispensing site with supplies and set up tables and chairs for optimal patient flow
 - provide additional forms if patient is picking up RX for family members
 - answer questions and refer clinical issues to Medical Screening Clinician

Educator

- Reports to Dispensing Site Manager
- Qualifications: no special qualifications
- Read Job Action Sheet:
 - provide FAQs about the pathogen involved
 - answer questions and refer clinical issues to Medical Screening Clinician

Greeting/Registration Station

- Dispensing Site Manager activates Greeting/Registration when sufficient RX packages are available
- Triage patients, if applicable
- Provide patients with FAQs and medical Screening Form
- Answer questions and refer clinical issues to Educator or Medical Screening Clinician

Medical Screener

- Reports to Dispensing Site Manager
- Qualifications: no special qualifications
- Read Job Action Sheet:
 - ensure that you have Standing Medical Orders
 - ensure that you have Medical Tracking labels
 - set up area for privacy, if possible
 - verify identity of patient
 - complete all questions and dispense RX according to Standing Medical Orders

Medical Screener

- Cont'd
 - provide each patient with Medical Information sheet
 - attach ID number to Medical Screening form and also to the "baggie"
 - refer patients to Medical Screening Clinician, when necessary
 - complete all Medical Screening for family members
 - provide patient with Follow-up or Discharge Instructions

Medical Screener

- Cont'd
 - include comments on Medical Screening form for any patient that refused or did not receive RX
 - return all Medical Screening forms to Dispensing Site Manager for filing
 - return all supplies and unused medications to the Pharmacist Supervisor

Medical Screening Clinician

- Reports to Dispensing Site Manager
- Qualifications: no special qualifications
- Read Job Action Sheet:
 - consult with staff as requested
 - consult with patients as requested

Documentation

- All Medical Screening forms must be retained by the Dispensing Site according to its "Forms Retention Policy"

Restocking the IPS

- At present, there are not funds available for the restocking of the IPS, unless the SNS is involved
 - SNS stocks may be used to replenish the IPS
- The Primary Strategic Site Manager is responsible for bringing IPS cache at Distribution Site back to par level

Exercise the IPS

- Each hospital will be funded from FY 2005 HRSA funds to have, at minimum, a table-top exercise to test its plan to activate a Dispensing Site
- Each Distribution Site will be funded from FY 2005 HRSA funds to have, at minimum, a table-top exercise to test its plan to breakdown the IPS for transport

Exercise the IPS

- Each LHD is required to perform a functional exercise in CY 2006 at the local level. This may involve the IPS, but is not required.
- Each LHD may choose a template objective that could involve the activation of the IPS

Management of IPS

- The IPS Sub-Committee will continue to provide oversight on the operations of the IPS
- Send all comments regarding the IPS to
 - Anne-Marie Gates, Program Assistant, Hospital Disaster Preparedness Program
 - gatesac@dhfs.state.wi.us

Comments and Questions

Contact Information

Barbara Theis
Health Officer
Juneau County
608-847-9373

btheis@co.juneau.wi.us

Contact Information

Darren Farquhar
Primary Strategic Site Manager
Logistics Health, Inc.
866-284-8788

dfarquhar@logisticshealth.com

Contact Information

Carolyn Struble
Consortium Coordinator
Wisconsin Division of Public Health
608-267-7708

strubce@dhfs.state.wi.us

Contact Information

Dennis Tomczyk
Director, Hospital Disaster Preparedness
Wisconsin Division of Public Health
608-266-3128
tomczdj@dhfs.state.wi.us
